

# Village of Clemmons, NC - Stormwater Management Program

## PROJECT EXAMPLE

### Village of Clemmons, NC – Stormwater Management Program

Clemmons is a community of approximately 17,000 residents and has limited resources, yet it sets a strong example for how to effectively manage stormwater and meet the requirements of National Pollutant Discharge Elimination System (NPDES), Phase 2. Public involvement and public education have been prime components of the stormwater program development process.



### Nature of Project Work:

A Stormwater Advisory Committee made up of citizens and Village staff was formed to consider the Village's stormwater needs and provide input to the program development process. Doug Jewell, of **JEWELL Engineering Consultants (JEC)**, led the effort and worked closely with the Village Manager to prepare an overall program that addresses NPDES requirements to improve stormwater quality. That program was approved by the State of North Carolina and became effective August 1, 2005. Following the implementation of the NPDES program, JEC has supported the Village in the development and adoption of two major stormwater ordinances addressing stormwater quality and quantity issues. The quality ordinance satisfies the requirements of NPDES while the quantity ordinance sets new standards for stormwater quantity management.

As the Village's stormwater program has matured, JEC has supported the Village in other ways:

1. Development of an Illicit Discharge Ordinance and process to eliminate non-stormwater discharges to the environment.
2. Development of a Capital Improvement Program (CIP) and project rating/ranking process that will enable the Village to equitably allocate limited CIP resources.
3. Development of a Stormwater Permit Application and Review Process to effectively manage stormwater impacts of new and re-development.
4. On-going support of the Village Stormwater Administrator and Citizen Stormwater Advisory Board with regard to various stormwater policy and program elements.
5. Engineering support to analyze and design solutions to stormwater problems.
6. Preparation and presentation of educational materials to raise the level of understanding of stormwater management issues for the advisory board, Village staff, and the public.



**JEWELL Engineering Consultants** provides cost effective solutions that meet the needs of communities for NPDES compliance as well as guidance for “State of the Art” stormwater programs.



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